

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|------------------|
| S1 | 2328 | 382/154,115-118,181,209.ccls. 345/426.ccls. | USPAT | OR | OFF | 2004/09/09 09:24 |
| S2 | 4551 | 382/154,115-118,181,209.ccls. 345/426.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:25 |
| S3 | 348 | optimiz\$6 with reflect\$6 with function\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:25 |
| S4 | 3 | (382/154,115-118,181,209.ccls. 345/426.ccls.) and (optimiz\$6 with reflect\$6 with function\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:25 |
| S5 | 240762 | (variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:27 |
| S6 | 717 | (382/154,115-118,181,209.ccls. 345/426.ccls.) and ((variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:27 |
| S7 | 114 | ((382/154,115-118,181,209.ccls. 345/426.ccls.) and ((variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8))) and (((three near dimension\$3) or 3-d or 3d) near model\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:31 |
| S8 | 2126 | recog\$7 and (reflect\$3 near function\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:32 |
| S9 | 14 | (recog\$7 and (reflect\$3 near function\$3)) and (382/154, 115-118,181,209.ccls. 345/426. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:32 |
| S10 | 4985 | (specular\$4 same diffuse\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:32 |

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| S11 | 74 | (specular\$4 same diffuse\$3 same (reflect\$6 near (model\$3 or function\$1))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:33 |
| S12 | 27 | ((specular\$4 same diffuse\$3 same (reflect\$6 near (model\$3 or function\$1)))) and (382/154, 115-118,181,209.ccls. 345/426. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:33 |
| S13 | 19 | ("3728528" "3789203" "4855935" "4899302" "4901064" "4905158" "4943938" "4956799" "5046108" "5063375" "5109481" "5119444" "5125073" "5163126" "5179659" "5222202" "5253339" "5369737" "5500907").PN. | USPAT | OR | OFF | 2004/09/09 09:36 |
| S14 | 9 | "5739820".URPN. | USPAT | OR | OFF | 2004/09/09 09:36 |
| S15 | 0 | "6639594".URPN. | USPAT | OR | OFF | 2004/09/09 09:37 |
| S16 | 221 | 382/118.ccls. | USPAT | OR | OFF | 2004/09/09 09:37 |
| S17 | 0 | 382/118.ccls. and (((three near dimension\$4) or 3d or 3-d) with (model\$1)) and (reflect\$4 near2 function\$3) | USPAT | OR | OFF | 2004/09/09 09:37 |
| S18 | 9 | broad\$5 near specular\$4 near reflect\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/09 09:37 |
| S19 | 1 | 2003-480388.NRAN. | DERWENT | OR | OFF | 2004/09/09 09:37 |
| S20 | 50 | ("4912336" "5704024" "4417791" "5028138" "5572635" "5748330" "6639594" "5289351" "4344709" "4548506" "4606645" "5452091" "5618461" "5783804" "6152876" "6212424" "6340602" "6384824" "6623991" "6678632" "6765573" "6144491" "4415509" "4839525" "5469515" "4274109" "4526545" "4793690" "4823199" "4891664" "5267000" "5295199" "5349421" "5543940" "5710876" "5967050" "6047078" "6306203" "6328793" "6398857" "6404506" "6628298" "6677942" "6724383" "6771400" "5793374" "6304294" "6356265" "6369816" "6404429").pn. | USPAT | OR | OFF | 2004/09/09 09:37 |

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| S21 | 7 | ("5739820" "5870097" "5947823" "6057851" "6317126" "6429872" "6545677").PN. | USPAT | OR | OFF | 2004/09/09 09:37 |
| S22 | 426 | 345/426.ccls. | USPAT | OR | OFF | 2004/09/09 09:37 |
| S23 | 135 | 345/426.ccls. and recogni\$8 | USPAT | OR | OFF | 2004/09/09 09:37 |
| S24 | 1 | 382/118:ccls. and (reflect\$4 near2 function\$3) | USPAT | OR | OFF | 2004/09/09 09:37 |
| S25 | 35 | 382/118.ccls. and (((three near dimension\$4) or 3d or 3-d) with (model\$1)) | USPAT | OR | OFF | 2004/09/09 09:37 |
| S27 | 2582 | 382/154,115-118,181,209.ccls. 345/426.ccls. | USPAT | OR | OFF | 2005/07/20 13:55 |
| S28 | 5210 | 382/154,115-118,181,209.ccls. 345/426.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S29 | 410 | optimiz\$6 with reflect\$6 with function\$3 | US-PGPUB, USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S30 | 4 | (382/154,115-118,181,209.ccls. 345/426.ccls.) and (optimiz\$6 with reflect\$6 with function\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S31 | 268202 | (variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S32 | 879 | (382/154,115-118,181,209.ccls. 345/426.ccls.) and ((variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S33 | 160 | ((382/154,115-118,181,209.ccls. 345/426.ccls.) and ((variation\$1 difference\$1 change\$1 modulat\$5) near2 (illuminat\$8 light\$3 luminan\$8))) and (((three near dimension\$3) or 3-d or 3d) near model\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S34 | 2586 | recog\$7 and (reflect\$3 near function\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |

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|-----|------|---|---|----|-----|------------------|
| S35 | 21 | (recog\$7 and (reflect\$3 near function\$3)) and (382/154, 115-118,181,209.ccls. 345/426. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S36 | 5659 | (specular\$4 same diffuse\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S37 | 96 | (specular\$4 same diffuse\$3 same (reflect\$6 near (model\$3 or function\$1)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S38 | 33 | ((specular\$4 same diffuse\$3 same (reflect\$6 near (model\$3 or function\$1)))) and (382/154, 115-118,181,209.ccls. 345/426. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S39 | 19 | ("3728528" "3789203" "4855935" "4899302" "4901064" "4905158" "4943938" "4956799" "5046108" "5063375" "5109481" "5119444" "5125073" "5163126" "5179659" "5222202" "5253339" "5369737" "5500907").PN. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S40 | 10 | "5739820".URPN. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S41 | 1 | "6639594".URPN. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S42 | 254 | 382/118.ccls. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S43 | 1 | 382/118.ccls. and (((three near dimension\$4) or 3d or 3-d) with (model\$1)) and (reflect\$4 near2 function\$3) | USPAT | OR | OFF | 2005/07/18 13:45 |
| S44 | 10 | broad\$5 near specular\$4 near reflect\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/18 13:45 |
| S45 | 1 | 2003-480388.NRAN. | DERWENT | OR | OFF | 2005/07/18 13:45 |

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|-----|-----|---|---|----|-----|------------------|
| S46 | 50 | ("4912336" "5704024" "4417791" "5028138" "5572635" "5748330" "6639594" "5289351" "4344709" "4548506" "4606645" "5452091" "5618461" "5783804" "6152876" "6212424" "6340602" "6384824" "6623991" "6678632" "6765573" "6144491" "4415509" "4839525" "5469515" "4274109" "4526545" "4793690" "4823199" "4891664" "5267000" "5295199" "5349421" "5543940" "5710876" "5967050" "6047078" "6306203" "6328793" "6398857" "6404506" "6628298" "6677942" "6724383" "6771400" "5793374" "6304294" "6356265" "6369816" "6404429").pn. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S47 | 7 | ("5739820" "5870097" "5947823" "6057851" "6317126" "6429872" "6545677").PN. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S48 | 476 | 345/426.ccls. | USPAT | OR | OFF | 2005/07/18 13:45 |
| S49 | 155 | 345/426.ccls. and recogni\$8 | USPAT | OR | OFF | 2005/07/18 13:45 |
| S50 | 2 | 382/118.ccls. and (reflect\$4 near2 function\$3) | USPAT | OR | OFF | 2005/07/18 13:45 |
| S51 | 42 | 382/118.ccls. and (((three near dimension\$4) or 3d or 3-d) with (model\$1)) | USPAT | OR | OFF | 2005/07/18 13:45 |
| S55 | 13 | (recogni\$6 or similarity or identif\$7) same (subspace or sub adj space) same (lighting or illumination or albedo or reflectance or lambert\$3) near3 (variation or variable or varying or varied or varios or all adj possib\$7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 13:54 |
| S56 | 93 | (382/115-119,124,153,154,156, 159.ccls. 382/165,181,190,209, 216,224.ccls.) and (lambert\$3 or albedo or reflectance or (illumination or lighting) near (varia\$5 or possible or possibility)) and (spherical near harmonic or princip\$2 adj component or singular adj value\$1 or subspace or sub adj space) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 13:59 |
| S57 | 42 | S56 and (specular or scatter\$3 or diffus\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 14:07 |

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| S58 | 12 | S56 and (specular with (scatter\$3 or diffus\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 14:10 |
| S59 | 8 | harmonic same (princip\$3 adj component or singular adj value\$1 or PCA.u/c. or subspace sub adj space or eigen\$7) same (lighting or illumination or albedo or reflectance or lambert\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 13:20 |
| S60 | 6223630 | (exclud\$4 or exclus\$5 or eject\$3 or expel\$4 or ((keep\$3 or leav\$3 or rul\$3) near out) or occlud\$4 or occlus\$4 or omit\$4 or remov\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:09 |
| S61 | 673431 | ((cast\$3 or drop\$3) near (shadow\$1)) or halo\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:10 |
| S62 | 4904 | S60 near2 S61 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:11 |
| S63 | 5247 | 382/154,115-118,181,209.ccls. 345/426.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/20 13:55 |
| S64 | 8 | S62 and S63 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/20 13:55 |
| S65 | 6026003 | (exclud\$4 or exclus\$5 or expel\$4 or ((keep\$3 or leav\$3 or rul\$3) near out) or occlud\$4 or occlus\$4 or omit\$4 or remov\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:09 |

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|-----|---------|--|--|----|----|------------------|
| S66 | 673431 | ((cast\$3 or drop\$3) near (shadow\$1)) or halo\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:10 |
| S67 | 3390 | S65 adj2 S66 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:10 |
| S68 | 0 | S67 same (fac\$4 near2 (recognition)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:10 |
| S69 | 6223630 | (exclud\$4 or exclus\$5 or eject\$3 or expel\$4 or ((keep\$3 or leav\$3 or rul\$3) near out) or occlud\$4 or occlus\$4 or omit\$4 or remov\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:11 |
| S70 | 673431 | ((cast\$3 or drop\$3) near (shadow\$1)) or halo\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:11 |
| S71 | 4904 | S69 near2 S70 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/20 15:11 |
| S72 | 1 | S71 and ((face or facial) near2 (recognition or recogni\$5)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 14:48 |
| S73 | 913 | 707/7.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 14:49 |
| S74 | 715 | 707/7.ccls. | USPAT | OR | ON | 2005/07/21 14:49 |
| S75 | 14 | 707/7,9,103.ccls. and (profile near match\$3) | USPAT | OR | ON | 2005/07/21 14:49 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|----------|------------------|---------|------------------|
| L2 | 1 | ((cast near shadow\$1) and (reflectance near function\$1)).clm. | US-PGPUB | OR | ON | 2005/07/23 16:47 |